

139873

SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800
 Rev. 1/15/2004 This is an experimental form! .. Please give suggestions or comments to Jeff Harrison, JEF-4B68, 272-2511.

Date <u>11/29/04</u>	Serial # <u>09849-539</u>	Priority Application Date _____
Your Name <u>M. Lewis</u>	Examiner # _____	
AU <u>28692</u>	Phone <u>272-1834</u>	Room <u>5430</u>
In what format would you like your results? Paper is the default.		
<input checked="" type="radio"/> PAPER <input type="radio"/> DISK <input type="radio"/> EMAIL		

If submitting more than one search, please prioritize in order of need. *Wanted before 11/29*

The EIC searcher normally will contact you before beginning a prior art search. If you would like to sit with a searcher for an interactive search, please notify one of the searchers.

-29-11-2004

Where have you searched so far on this case?

Circle: USPT DWPI EPO Abs JPO Abs IBM TDB

Other: _____

What relevant art have you found so far? Please attach pertinent citations or Information Disclosure Statements.

What types of references would you like? Please checkmark:

Primary Refs _____	Nonpatent Literature _____	Other _____
Secondary Refs _____	Foreign Patents _____	_____
Teaching Refs _____	_____	_____

What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

Claims - 13,16,17 & 52-59

*Problem See pages 283
Solution: " " 384*

*Code
Please do an updated
search.*

Staff Use Only	Type of Search	Vendors
Searcher: <u>Code 7</u>	Structure (#) _____	STN _____
Searcher Phone: <u>22541</u>	Bibliographic <input checked="" type="checkbox"/>	Dialog <input checked="" type="checkbox"/>
Searcher Location: STIC-EIC2800, JEF-4B68	Litigation _____	Questel/Orbit _____
Date Searcher Picked Up: <u>12-03-04</u>	Fulltext _____	Lexis-Nexis _____
Date Completed: <u>12-03-04</u>	Patent Family _____	WWW/Internet _____
Researcher Prep/Rev Time: <u>40</u>	Other _____	Other _____
Online Time: <u>240</u>		

Set	Items	Description
S1	23329	BGA? ? OR BALL(2N)GRID?
S2	1841490	DIE? ?
S3	6999	CONTACT() PAD?
S4	11285	SOLDER(2N)BALL?
S5	14121	(HEAT? OR TEMP? OR THERMAL?) (3N)SPREAD?
S6	1838	RING()STIFF?
S7	0	S5 AND S6
S8	376	S1 AND (S5 OR S6)
S9	214	S8 AND (BUMP? OR S2 OR S3 OR S4)
S10	115	S9 AND S4
S11	6	S10 AND S3
S12	6	RD (unique items)
S13	3033	CONDUCT? (3N)BUMP?
S14	4389	NON()ACTIVE?
S15	14	S8 AND (S13 OR S3 OR S14)
S16	14	RD (unique items)
S17	8	S16 NOT S12
? show files		
File	2:INSPEC 1969-2004/Nov W3	
	(c) 2004 Institution of Electrical Engineers	
File	6:NTIS 1964-2004/Nov W3	
	(c) 2004 NTIS, Intl Cpyrgh All Rights Res	
File	8:Ei Compendex(R) 1970-2004/Nov W3	
	(c) 2004 Elsevier Eng. Info. Inc.	
File	34:SciSearch(R) Cited Ref Sci 1990-2004/Nov W4	
	(c) 2004 Inst for Sci Info	
File	434:SciSearch(R) Cited Ref Sci 1974-1989/Dec	
	(c) 1998 Inst for Sci Info	
File	99:Wilson Appl. Sci & Tech Abs 1983-2004/Oct	
	(c) 2004 The HW Wilson Co.	
File	94:JICST-EPlus 1985-2004/Oct W4	
	(c) 2004 Japan Science and Tech Corp(JST)	
File	92:IHS Intl.Stds.& Specs. 1999/Nov	
	(c) 1999 Information Handling Services	
File	144:Pascal 1973-2004/Nov W3	
	(c) 2004 INIST/CNRS	
File	647:cmp Computer Fulltext 1988-2004/Nov W3	
	(c) 2004 CMP Media, LLC	
File	696:DIALOG Telecom. Newsletters 1995-2004/Dec 03	
	(c) 2004 The Dialog Corp.	
File	35:Dissertation Abs Online 1861-2004/Nov	
	(c) 2004 ProQuest Info&Learning	
File	65:Inside Conferences 1993-2004/Nov W4	
	(c) 2004 BLDSC all rts. reserv.	
File	103:Energy SciTec 1974-2004/Nov B2	
	(c) 2004 Contains copyrighted material	
File	350:Derwent WPIX 1963-2004/UD,UM &UP=200477	
	(c) 2004 Thomson Derwent	
File	347:JAPIO Nov 1976-2004/Jul(Updated 041102)	
	(c) 2004 JPO & JAPIO	
File	239:Mathsci 1940-2004/Jan	
	(c) 2004 American Mathematical Society	
File	95:TEME-Technology & Management 1989-2004/Jun W1	
	(c) 2004 FIZ TECHNIK	
File	25:Weldasearch 19662004/Mar	
	(c) 2004 TWI Ltd	
File	62:SPIN(R) 1975-2004/Sep W4	
	(c) 2004 American Institute of Physics	
File	96:FLUIDEX 1972-2004/Nov	

(c) 2004 Elsevier Science Ltd.

File 98:General Sci Abs/Full-Text 1984-2004/Sep

(c) 2004 The HW Wilson Co.

File 266:FEDRIP 2004/Sep

Comp & dist by NTIS, Intl Copyright All Rights Res

?